

# Dit-Yan Yeung

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

4,857  
citations

430874

18  
h-index

501196

28  
g-index

60  
all docs

60  
docs citations

60  
times ranked

3881  
citing authors

#	ARTICLE	IF	CITATIONS
1	Super-resolution through neighbor embedding. , 0, , .		1,128
2	Collaborative Deep Learning for Recommender Systems. , 2015, , .		1,009
3	Constructive algorithms for structure learning in feedforward neural networks for regression problems. IEEE Transactions on Neural Networks, 1997, 8, 630-645.	4.2	405
4	Mathematical expression recognition: a survey. International Journal on Document Analysis and Recognition, 2000, 3, 3-15.	3.4	236
5	Objective functions for training new hidden units in constructive neural networks. IEEE Transactions on Neural Networks, 1997, 8, 1131-1148.	4.2	189
6	Temporal Models for Predicting Student Dropout in Massive Open Online Courses. , 2015, , .		152
7	Multi-task warped Gaussian process for personalized age estimation. , 2010, , .		151
8	Towards Bayesian Deep Learning: A Framework and Some Existing Methods. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 3395-3408.	5.7	151
9	Spatiotemporal Modeling for Crowd Counting in Videos. , 2017, , .		117
10	Parzen-window network intrusion detectors. , 0, , .		93
11	Image Hallucination Using Neighbor Embedding over Visual Primitive Manifolds. , 2007, , .		91
12	A Kernel Approach for Semisupervised Metric Learning. IEEE Transactions on Neural Networks, 2007, 18, 141-149.	4.2	85
13	Transfer metric learning by learning task relationships. , 2010, , .		68
14	Error detection, error correction and performance evaluation in on-line mathematical expression recognition. Pattern Recognition, 2001, 34, 1671-1684.	8.1	66
15	A Regularization Approach to Learning Task Relationships in Multitask Learning. ACM Transactions on Knowledge Discovery From Data, 2014, 8, 1-31.	3.5	65
16	Bayesian Robust Matrix Factorization for Image and Video Processing. , 2013, , .		56
17	A Bayesian framework for deformable pattern recognition with application to handwritten character recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1998, 20, 1382-1388.	13.9	48
18	An efficient syntactic approach to structural analysis of on-line handwritten mathematical expressions. Pattern Recognition, 2000, 33, 375-384.	8.1	48

#	ARTICLE	IF	CITATIONS
19	A New Solution Path Algorithm in Support Vector Regression. IEEE Transactions on Neural Networks, 2008, 19, 1753-1767.	4.2	48
20	Extending the relevant component analysis algorithm for metric learning using both positive and negative equivalence constraints. Pattern Recognition, 2006, 39, 1007-1010.	8.1	42
21	Recognizing on-line handwritten alphanumeric characters through flexible structural matching. Pattern Recognition, 1999, 32, 1099-1114.	8.1	40
22	Locally linear metric adaptation with application to semi-supervised clustering and image retrieval. Pattern Recognition, 2006, 39, 1253-1264.	8.1	38
23	Mixtures of ARMA models for model-based time series clustering. , 0, , .		34
24	On deformable models for visual pattern recognition. Pattern Recognition, 2002, 35, 1507-1526.	8.1	31
25	Defending Against TCP SYN Flooding Attacks Under Different Types of IP Spoofing. , 0, , .		31
26	Surrogate maximization/minimization algorithms and extensions. Machine Learning, 2007, 69, 1-33.	5.4	28
27	A kernel path algorithm for support vector machines. , 2007, , .		27
28	Use of bias term in projection pursuit learning improves approximation and convergence properties. IEEE Transactions on Neural Networks, 1996, 7, 1168-1183.	4.2	26
29	Locally Linear Models on Face Appearance Manifolds with Application to Dual-Subspace Based Classification. , 0, , .		26
30	Relaxational metric adaptation and its application to semi-supervised clustering and content-based image retrieval. Pattern Recognition, 2006, 39, 1905-1917.	8.1	23
31	Semi-Supervised Discriminant Analysis using robust path-based similarity. , 2008, , .		23
32	Localized content-based image retrieval through evidence region identification. , 2009, , .		21
33	Active hashing and its application to image and text retrieval. Data Mining and Knowledge Discovery, 2013, 26, 255-274.	3.7	20
34	Bidirectional deformable matching with application to handwritten character extraction. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2002, 24, 1133-1139.	13.9	19
35	Gesture-based piloting of an aerial robot using monocular vision. , 2017, , .		19
36	Bayesian regularization in constructive neural networks. Lecture Notes in Computer Science, 1996, , 557-562.	1.3	17

#	ARTICLE	IF	CITATIONS
37	Model-based transductive learning of the kernel matrix. Machine Learning, 2006, 63, 69-101.	5.4	17
38	Throttling spoofed SYN flooding traffic at the source. Telecommunication Systems, 2006, 33, 47-65.	2.5	16
39	A Coordinated Detection and Response Scheme for Distributed Denial-of-Service Attacks. , 2006, , .		16
40	A Scalable Kernel-Based Semisupervised Metric Learning Algorithm with Out-of-Sample Generalization Ability. Neural Computation, 2008, 20, 2839-2861.	2.2	15
41	PenCalc: a novel application of on-line mathematical expression recognition technology. , 0, , .		14
42	Transfer Metric Learning with Semi-Supervised Extension. ACM Transactions on Intelligent Systems and Technology, 2012, 3, 1-28.	4.5	14
43	Learning Unmanned Aerial Vehicle Control for Autonomous Target Following. , 2018, , .		13
44	Face Recognition with Image Sets Using Hierarchically Extracted Exemplars from Appearance Manifolds. , 0, , .		11
45	A Neural Network Approach to Constructive Induction. , 1991, , 228-232.		11
46	Improving the approximation and convergence capabilities of projection pursuit learning. Neural Processing Letters, 1995, 2, 20-25.	3.2	8
47	Efficient cross-validation for feedforward neural networks. , 0, , .		8
48	Elastic structural matching for online handwritten alphanumeric character recognition. , 0, , .		8
49	Constructive neural networks: some practical considerations. , 1994, , .		5
50	Solution Path for Semi-Supervised Classification with Manifold Regularization. IEEE International Conference on Data Mining, 2006, , .	0.0	5
51	Local Discriminant Embedding with Tensor Representation. , 2006, , .		5
52	Sliced Coordinate Analysis for Effective Dimension Reduction and Nonlinear Extensions. Journal of Computational and Graphical Statistics, 2008, 17, 225-242.	1.7	5
53	Competitive mixture of deformable models for pattern classification. , 1996, , .		3
54	Semisupervised metric learning by kernel matrix adaptation. , 2005, , .		3

#	ARTICLE	IF	CITATIONS
55	Graph Laplacian Kernels for Object Classification from a Single Example. , 0, , .		3
56	Localized content-based image retrieval through evidence region identification. , 2009, , .		3
57	Robust Deformable Matching for Character Extraction. Series in Machine Perception and Artificial Intelligence, 1999, , 235-244.	0.1	2
58	A bidirectional matching algorithm for deformable pattern detection with application to handwritten word retrieval. , 1999, , .		1
59	A grammatical inference approach to on-line handwriting modeling and recognition: a pilot study. , 0, , .		0
60	Nonlinear dimensionality reduction for classification using kernel weighted subspace method. , 2005, , .		0